

Myeloprotection useful for treating patients undergoing radiotherapy or radiation therapy comprises administering an effective amount of a Myeloid Promoter Inhibitory Factor-2 N-terminal deletion mutant polypeptide -

(class, source: para 194; 246pp; Enorthis).

The present invention describes a myeloprotection method (M1) comprising administering an effective amount of a myeloid promoter inhibitory factor-2 (MPPIF-2) N-terminal deletion mutant polypeptide (1) to an individual undergoing therapy. Also described are: (1) modulating hematopoietic stem cells comprising: (a) contacting the cells with a peptide as in (M1); and (b) *ex vivo* expansion of hematopoietic stem cells comprising contacting bone marrow with a peptide as in (M1); (c) inhibiting proliferation of leukemia cells or mobilizing stem cells, comprising administering a peptide as in (M1) to an individual; and (d) protecting HSP- α PC cells comprising contacting the cells with a peptide as in (M1). (1) has mitogenic and cytostatic activity. (1) is useful for modulating hematopoietic stem cells, for *ex vivo* expansion of hematopoietic stem cells, for inhibiting proliferation of leukemia cells, for protecting HSP- α PC cells, for stem cell mobilization, and for myeloprotection in an individual undergoing chemotherapy or radiation therapy. Human chemo kinase-beta-6 (ck-beta-6) agonist and antagonist proteins and encoding DNA sequences, and a procedure for producing such proteins by recombinant techniques are also described in the present invention. The ck-beta-6 antagonists can be used in the treatment of rheumatoid arthritis, lung inflammation, allergy, asthma, infectious diseases and to prevent inflammation and atherosclerosis. AAH21521 to AAH21546 and AAH97413 to AAH97416 are sequences used in the exemplification of the present invention.

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Matches 45	Conservative 0	Mismatches 0	Indels 0	Gaps 0

[illegible]

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 AA07717
 A
 10. AA07700 (first entry)

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LE	Human chemokine-beta-6 related protein SEQ ID NO:24.
KX	Bonatti; chemokine-beta-6; CXCL9-a-6; MIPF-2; monocyte attractant; osteoar-
KX	tissue inhibitor of inflammatory factor-2; rheumatoid arthritis [1]
KW	infectious inflammation disease; inflammation; atypical mycobacteria;
KW	chemotherapy; radiation therapy; nonoptical cytostatic leukemic;
KW	transferric stem cell; proliferation inhibition; myelopoiesis.
KX	stem cell mobilization.
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S	Ref. Saptans .
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IN	We 2001 00828-A1.
XX	
XX	US MAY 2001.
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XX	Zhang et al., 2000; 2000WO-0829451.
IE	
XX	Zhang et al., 1999; WO/99-0161400.
XX	
XX	(B)MAJ ROMAN SEN RE INT.
IA	
PL	Marciniakowski KJ, Szpakiewicz W, Krzycki R,
A	

[illegible]



1 SOFTWARE: Patent In Release #1.0, Version #1.00
 2 REFERENCE APPLICATION DATA:
 3 ATTORNEY REFERENCE: US/09/095156A
 4 FILING DATE: Herewith
 5 CLASSIFICATION: 435
 6 PREVIOUS APPLICATION DATA:
 7 APPLICATION NUMBER: 60/042,269
 8 FILING DATE: 01-MAR-1997
 9 ATTORNEY/AGENT INFORMATION:
 10 NAME: STEFFEL, ERIC K
 11 REGISTRATION NUMBER: 36,688
 12 REFERENCE/BOOK NUMBER: 1498-0340004
 13 REFERENCE/BOOK NUMBER INFORMATION:
 14 REFERENCE: 202-371-2600
 15 TELEFAX: 202-371-2640
 16 INFORMATION FOR SEQ ID NO: 25:
 17 SEQUENCE CHARACTERISTICS:
 18 LENGTH: 47 amino acids
 19 TYPE: amino acid
 20 ORIGIN: linear
 21 MOLECULE TYPE: protein
 22 SOURCE: 156A, 25

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 Best Local Similarity 100.0% Field No. 7,96-27;
 Matches 45; Conservative 0; Mismatches 0; Indels 0

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RESULT 9
 US 09-419-281-23
 1 Sequence 25, Application US/09/095156A
 2 Patent No. 6028169
 3 GENERAL INFORMATION:
 4 APPLICANT: KREIDER, BRIAN L.
 5 APPLICANT: KREIDER, STEVEN M.
 6 APPLICANT: KREIDER, HERIK S.
 7 TITLE OF INVENTION: HER FINE DELTA + ANTAGONISTS
 8 NUMBER OF SEQUENCES: 114
 9 REFERENCE ADDRESS:
 10 ADDRESS: STERN, KESSLER, GARDENSTEIN & FOX LLP
 11 STREET: 1100 NEW YORK AVENUE, SUITE 600
 12 CITY: WASHINGTON
 13 STATE: DC
 14 COUNTRY: USA

15 FILING DATE: 01-MAR-1997
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 17 REFERENCE/BOOK NUMBER: 1498-0340004
 18 REFERENCE/BOOK NUMBER INFORMATION:
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 20 TELEFAX: 202-371-2640
 21 INFORMATION FOR SEQ ID NO: 25:
 22 SEQUENCE CHARACTERISTICS:
 23 LENGTH: 47 amino acids
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 Matches 45; Conservative 0; Mismatches 0; Indels 0

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10 00000000 PRELIMINARY: PRE: 91 AA.
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